

Your Project #: FEBURARY 14, 2012
 Site Location: FARO MINE COMPLEX
 Your C.O.C. #: 08345008

Attention: Kevin Ramsay
 DENISON ENVIRONMENTAL SERVICES
 FARO CARE AND MAINTENANCE PROJ
 BOX 280
 FARO, YT
 CANADA Y0B 1K0

Report Date: 2012/02/23

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B212921
Received: 2012/02/15, 13:45

Sample Matrix: Surface
 # Samples Received: 8

Analyses	Quantity	Date		Laboratory Method	Analytical Method
		Extracted	Analyzed		
Alkalinity - Water	6	2012/02/16	2012/02/16	BBY6SOP-00026, BBY0SOP-00002	SM2320B
Alkalinity - Water	2	2012/02/17	2012/02/17	BBY6SOP-00026, BBY0SOP-00002	SM2320B
Chloride by Automated Colourimetry	8	N/A	2012/02/16	BBY6SOP-00011	SM-4500-Cl-
Carbon (DOC)	7	N/A	2012/02/20	BBY6SOP-00003	SM-5310C
Carbon (DOC)	1	N/A	2012/02/22	BBY6SOP-00003	SM-5310C
Conductance - water	6	N/A	2012/02/16	BBY6SOP-00026	SM-2510B
Conductance - water	2	N/A	2012/02/17	BBY6SOP-00026	SM-2510B
Hardness Total (calculated as CaCO3)	8	N/A	2012/02/20		
Hardness (calculated as CaCO3)	8	N/A	2012/02/20	BBY7SOP-00002	Calculated Parameter
Ion Balance	8	N/A	2012/02/20	Calc	
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	6	N/A	2012/02/20	BBY7SOP-00002	EPA 6020A
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	2	N/A	2012/02/22	BBY7SOP-00002	EPA 6020A
Elements by ICPMS Low Level (dissolved)	8	N/A	2012/02/17	BBY7SOP-00002	EPA 6020A
Na, K, Ca, Mg, S by CRC ICPMS (total)	8	N/A	2012/02/20	BBY7SOP-00002	EPA 6020A
Elements by ICPMS Low Level (total)	8	N/A	2012/02/17	BBY7SOP-00002	EPA 6020A
Ammonia-N	8	N/A	2012/02/17	BBY6SOP-00009	SM-4500NH3G
Nitrate + Nitrite (N)	8	N/A	2012/02/17	BBY6SOP-00010	USEPA 353.2
Nitrite (N) by CFA	6	N/A	2012/02/16	BBY6SOP-00010	EPA 353.2
Nitrite (N) by CFA	2	N/A	2012/02/17	BBY6SOP-00010	EPA 353.2
Nitrogen - Nitrate (as N)	8	N/A	2012/02/17	BBY6SOP-00010	Based on EPA 353.2
Filter and HNO3 Preserve for Metals	8	N/A	2012/02/15	BBY6WI-00001	EPA 200.2
pH Water	6	N/A	2012/02/16	BBY6SOP-00026	SM-4500H+B
pH Water	2	N/A	2012/02/17	BBY6SOP-00026	SM-4500H+B
Sulphate by Automated Colourimetry	8	N/A	2012/02/16	BBY6SOP-00017	SM4500-SO42
Total Dissolved Solids (Filt. Residue)	8	2012/02/21	2012/02/22	BBY6SOP-00033	SM 2540C
Carbon (Total Organic)	7	N/A	2012/02/17	BBY6SOP-00003	SM-5310C
Carbon (Total Organic)	1	N/A	2012/02/22	BBY6SOP-00003	SM-5310C
Total Suspended Solids-LowLevel	8	2012/02/20	2012/02/21	BBY6SOP-00034	SM-2540 D

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

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Report Date: 2012/02/23

CERTIFICATE OF ANALYSIS

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Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

TABITHA RUDKIN, Burnaby Project Manager
Email: TRudkin@maxxam.ca
Phone# (604) 638-2639

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 2

Maxxam Job #: B212921
 Report Date: 2012/02/23

 DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBURARY 14, 2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: NG

RESULTS OF CHEMICAL ANALYSES OF SURFACE

Maxxam ID		CS7639		CS7640		CS7641		
Sampling Date		2012/02/13 16:00		2012/02/13 16:10		2012/02/14 10:25		
COC Number		08345008		08345008		08345008		
	Units	NF2	QC Batch	NFRC SC-1	QC Batch	R10	RDL	QC Batch

ANIONS								
Nitrite (N)	mg/L	<0.005	5601974	<0.005	5601974	<0.005	0.005	5607556
Calculated Parameters								
Filter and HNO3 Preservation	N/A	FIELD	ONSITE	FIELD	ONSITE	FIELD	N/A	ONSITE
Ion Balance	N/A	1.1	5601261	1.1	5601261	1.0	0.010	5601261
Nitrate (N)	mg/L	0.280	5599201	0.269	5599201	0.291	0.020	5599201
Misc. Inorganics								
Dissolved Organic Carbon (C)	mg/L	1.91	5609185	0.80	5616395	1.36	0.50	5609185
Alkalinity (Total as CaCO3)	mg/L	126	5603365	127	5603365	125	0.50	5607058
Total Organic Carbon (C)	mg/L	1.25	5607184	0.89	5616435	0.97	0.50	5607184
Alkalinity (PP as CaCO3)	mg/L	<0.50	5603365	<0.50	5603365	<0.50	0.50	5607058
Bicarbonate (HCO3)	mg/L	154	5603365	155	5603365	153	0.50	5607058
Carbonate (CO3)	mg/L	<0.50	5603365	<0.50	5603365	<0.50	0.50	5607058
Hydroxide (OH)	mg/L	<0.50	5603365	<0.50	5603365	<0.50	0.50	5607058
Anions								
Dissolved Sulphate (SO4)	mg/L	20.2	5604653	20.1	5604653	19.5	0.50	5604653
Dissolved Chloride (Cl)	mg/L	0.8	5604652	0.9	5604652	0.9	0.5	5604652
Nutrients								
Ammonia (N)	mg/L	0.025	5607171	0.028	5607171	0.024	0.0050	5607171
Nitrate plus Nitrite (N)	mg/L	0.280 (1)	5607555	0.269 (1)	5607555	0.291	0.020	5607555
Physical Properties								
Conductivity	uS/cm	281	5603402	282	5603402	273	1.0	5607138
pH	pH Units	7.68	5603403	7.66	5603403	8.08		5607139
Physical Properties								
Total Suspended Solids	mg/L	<1.0	5608346	<1.0	5608346	<1.0	1.0	5608346
Total Dissolved Solids	mg/L	182 (2)	5609224	150 (2)	5609224	142	10	5609224

RDL = Reportable Detection Limit

- (1) Sample analysed past recommended hold time
 (2) Sample was analyzed after holding time expired.

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DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBURARY 14, 2012
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 Sampler Initials: NG

RESULTS OF CHEMICAL ANALYSES OF SURFACE

Maxxam ID		CS7642	CS7643	CS7644	CS7645		
Sampling Date		2012/02/14 10:40	2012/02/14 10:58	2012/02/14 11:03	2012/02/14 15:05		
COC Number		08345008	08345008	08345008	08345008		
	Units	R9	R8	BLANK 1	R7	RDL	QC Batch
ANIONS							
Nitrite (N)	mg/L	<0.005	<0.005	<0.005	<0.005	0.005	5601974
Calculated Parameters							
Filter and HNO3 Preservation	N/A	FIELD	FIELD	FIELD	FIELD	N/A	ONSITE
Ion Balance	N/A	1.0	NC	NC	NC	0.010	5601261
Nitrate (N)	mg/L	0.268	0.166	<0.020	0.166	0.020	5599201
Misc. Inorganics							
Dissolved Organic Carbon (C)	mg/L	1.11	1.28	<0.50	1.64	0.50	5609185
Alkalinity (Total as CaCO3)	mg/L	124	122	<0.50	125	0.50	5603365
Total Organic Carbon (C)	mg/L	0.91	1.21	<0.50	1.99	0.50	5607184
Alkalinity (PP as CaCO3)	mg/L	<0.50	<0.50	<0.50	<0.50	0.50	5603365
Bicarbonate (HCO3)	mg/L	152	148	<0.50	152	0.50	5603365
Carbonate (CO3)	mg/L	<0.50	<0.50	<0.50	<0.50	0.50	5603365
Hydroxide (OH)	mg/L	<0.50	<0.50	<0.50	<0.50	0.50	5603365
Anions							
Dissolved Sulphate (SO4)	mg/L	18.8	9.11	<0.50	8.92	0.50	5604653
Dissolved Chloride (Cl)	mg/L	0.8	0.7	<0.5	0.8	0.5	5604652
Nutrients							
Ammonia (N)	mg/L	0.028	0.027	<0.0050	0.021	0.0050	5607171
Nitrate plus Nitrite (N)	mg/L	0.268	0.166	<0.020	0.166	0.020	5607555
Physical Properties							
Conductivity	uS/cm	267	247	1.0	251	1.0	5603402
pH	pH Units	7.94	7.95	5.61	7.90		5603403
Physical Properties							
Total Suspended Solids	mg/L	<1.0	<1.0	<1.0	<1.0	1.0	5608346
Total Dissolved Solids	mg/L	176	136	<10	146	10	5609224
RDL = Reportable Detection Limit							

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RESULTS OF CHEMICAL ANALYSES OF SURFACE

Maxxam ID		CS7646		
Sampling Date		2012/02/14 16:00		
COC Number		08345008		
	Units	FAROCR	RDL	QC Batch
ANIONS				
Nitrite (N)	mg/L	<0.005	0.005	5607556
Calculated Parameters				
Filter and HNO3 Preservation	N/A	FIELD	N/A	ONSITE
Ion Balance	N/A	NC	0.010	5601261
Nitrate (N)	mg/L	0.074	0.020	5599201
Misc. Inorganics				
Dissolved Organic Carbon (C)	mg/L	1.52	0.50	5609185
Alkalinity (Total as CaCO3)	mg/L	44.4	0.50	5607058
Total Organic Carbon (C)	mg/L	1.69	0.50	5607184
Alkalinity (PP as CaCO3)	mg/L	<0.50	0.50	5607058
Bicarbonate (HCO3)	mg/L	54.1	0.50	5607058
Carbonate (CO3)	mg/L	<0.50	0.50	5607058
Hydroxide (OH)	mg/L	<0.50	0.50	5607058
Anions				
Dissolved Sulphate (SO4)	mg/L	5.58	0.50	5604653
Dissolved Chloride (Cl)	mg/L	0.6	0.5	5604652
Nutrients				
Ammonia (N)	mg/L	0.021	0.0050	5607171
Nitrate plus Nitrite (N)	mg/L	0.074	0.020	5607555
Physical Properties				
Conductivity	uS/cm	95.0	1.0	5607138
pH	pH Units	7.75		5607139
Physical Properties				
Total Suspended Solids	mg/L	<1.0	1.0	5608346
Total Dissolved Solids	mg/L	58	10	5609224
RDL = Reportable Detection Limit				

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 DENISON ENVIRONMENTAL SERVICES
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 Sampler Initials: NG

LOW LEVEL DISSOLVED METALS IN WATER (SURFACE)

Maxxam ID		CS7639		CS7640		CS7641		
Sampling Date		2012/02/13 16:00		2012/02/13 16:10		2012/02/14 10:25		
COC Number		08345008		08345008		08345008		
	Units	NF2	QC Batch	NFRC SC-1	QC Batch	R10	RDL	QC Batch

Misc. Inorganics								
Dissolved Hardness (CaCO3)	mg/L	147	5599200	151	5599200	145	0.5	5599200
Dissolved Metals by ICPMS								
Dissolved Aluminum (Al)	ug/L	3.9	5605909	4.8	5605909	3.5	0.2	5605909
Dissolved Antimony (Sb)	ug/L	0.06	5605909	0.07	5605909	0.06	0.02	5605909
Dissolved Arsenic (As)	ug/L	0.40	5605909	0.35	5605909	0.39	0.02	5605909
Dissolved Barium (Ba)	ug/L	68.0	5605909	68.9	5605909	68.5	0.02	5605909
Dissolved Beryllium (Be)	ug/L	<0.01	5605909	<0.01	5605909	<0.01	0.01	5605909
Dissolved Bismuth (Bi)	ug/L	<0.005	5605909	<0.005	5605909	<0.005	0.005	5605909
Dissolved Boron (B)	ug/L	<50	5605909	<50	5605909	<50	50	5605909
Dissolved Cadmium (Cd)	ug/L	0.028 (1)	5616433	0.022	5605909	0.019	0.005	5605909
Dissolved Chromium (Cr)	ug/L	<0.1	5605909	0.1	5605909	<0.1	0.1	5605909
Dissolved Cobalt (Co)	ug/L	0.111	5605909	0.095	5605909	0.048 (1)	0.005	5616433
Dissolved Copper (Cu)	ug/L	1.19 (1)	5616433	0.36	5605909	0.35	0.05	5605909
Dissolved Iron (Fe)	ug/L	52	5605909	65	5605909	32	1	5605909
Dissolved Lead (Pb)	ug/L	0.166	5605909	0.073	5605909	0.078	0.005	5605909
Dissolved Lithium (Li)	ug/L	7.3	5605909	7.1	5605909	6.8	0.5	5605909
Dissolved Manganese (Mn)	ug/L	32.3	5605909	31.9	5605909	19.3	0.05	5605909
Dissolved Molybdenum (Mo)	ug/L	0.79	5605909	1.36 (1)	5616433	0.82	0.05	5605909
Dissolved Nickel (Ni)	ug/L	0.53 (1)	5616433	0.44	5605909	0.32	0.02	5605909
Dissolved Selenium (Se)	ug/L	0.44	5605909	0.46	5605909	0.45	0.04	5605909
Dissolved Silicon (Si)	ug/L	6430	5605909	6600	5605909	6390	100	5605909
Dissolved Silver (Ag)	ug/L	0.035 (1)	5616433	<0.005	5605909	0.012	0.005	5605909
Dissolved Strontium (Sr)	ug/L	177	5605909	176	5605909	171	0.05	5605909
Dissolved Thallium (Tl)	ug/L	<0.002	5605909	<0.002	5605909	<0.002	0.002	5605909
Dissolved Tin (Sn)	ug/L	<0.2	5605909	0.2	5605909	<0.2	0.2	5605909
Dissolved Titanium (Ti)	ug/L	<0.5	5605909	<0.5	5605909	<0.5	0.5	5605909
Dissolved Uranium (U)	ug/L	2.25	5605909	2.30	5605909	2.28	0.002	5605909
Dissolved Vanadium (V)	ug/L	<0.2	5605909	<0.2	5605909	<0.2	0.2	5605909
Dissolved Zinc (Zn)	ug/L	26.2 (1)	5616433	19.0 (1)	5616433	10.5	0.1	5605909
Dissolved Zirconium (Zr)	ug/L	<0.1	5605909	<0.1	5605909	<0.1	0.1	5605909
Dissolved Calcium (Ca)	mg/L	44.6	5611762	45.5	5597587	43.5	0.05	5597587
Dissolved Magnesium (Mg)	mg/L	8.75	5611762	9.02	5597587	8.91	0.05	5597587

RDL = Reportable Detection Limit
 (1) Dissolved greater than total. Reanalysis yields similar results

Maxxam Job #: B212921
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DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBURARY 14, 2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: NG

LOW LEVEL DISSOLVED METALS IN WATER (SURFACE)

Maxxam ID		CS7639		CS7640		CS7641		
Sampling Date		2012/02/13 16:00		2012/02/13 16:10		2012/02/14 10:25		
COC Number		08345008		08345008		08345008		
	Units	NF2	QC Batch	NFRC SC-1	QC Batch	R10	RDL	QC Batch

Dissolved Potassium (K)	mg/L	2.19 (1)	5611762	1.16	5597587	1.27	0.05	5597587
Dissolved Sodium (Na)	mg/L	4.59 (1)	5611762	3.20	5597587	3.29	0.05	5597587
Dissolved Sulphur (S)	mg/L	<10	5611762	<10	5597587	<10	10	5597587

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Maxxam Job #: B212921
 Report Date: 2012/02/23

 DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBURARY 14, 2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: NG

LOW LEVEL DISSOLVED METALS IN WATER (SURFACE)

Maxxam ID		CS7642		CS7643		CS7644		
Sampling Date		2012/02/14 10:40		2012/02/14 10:58		2012/02/14 11:03		
COC Number		08345008		08345008		08345008		
	Units	R9	QC Batch	R8	QC Batch	BLANK 1	RDL	QC Batch

Misc. Inorganics								
Dissolved Hardness (CaCO3)	mg/L	142	5599200	130	5599200	<0.5	0.5	5599200
Dissolved Metals by ICPMS								
Dissolved Aluminum (Al)	ug/L	3.3	5605909	3.8	5605909	1.6 (1)	0.2	5616433
Dissolved Antimony (Sb)	ug/L	0.06	5605909	0.06	5605909	<0.02	0.02	5605909
Dissolved Arsenic (As)	ug/L	0.40	5605909	0.40	5605909	<0.02	0.02	5605909
Dissolved Barium (Ba)	ug/L	67.7	5605909	67.6	5605909	<0.02	0.02	5605909
Dissolved Beryllium (Be)	ug/L	<0.01	5605909	<0.01	5605909	<0.01	0.01	5605909
Dissolved Bismuth (Bi)	ug/L	<0.005	5605909	<0.005	5605909	<0.005	0.005	5605909
Dissolved Boron (B)	ug/L	<50	5605909	<50	5605909	<50	50	5605909
Dissolved Cadmium (Cd)	ug/L	0.009	5605909	0.017	5605909	<0.005	0.005	5605909
Dissolved Chromium (Cr)	ug/L	<0.1	5605909	<0.1	5605909	<0.1	0.1	5605909
Dissolved Cobalt (Co)	ug/L	0.017	5605909	0.029 (1)	5616433	<0.005	0.005	5605909
Dissolved Copper (Cu)	ug/L	0.24	5605909	0.42 (1)	5616433	<0.05	0.05	5605909
Dissolved Iron (Fe)	ug/L	28	5605909	38	5605909	<1	1	5605909
Dissolved Lead (Pb)	ug/L	0.050	5605909	0.194 (1)	5616433	0.007	0.005	5605909
Dissolved Lithium (Li)	ug/L	6.9	5605909	6.6	5605909	<0.5	0.5	5605909
Dissolved Manganese (Mn)	ug/L	13.2	5605909	20.7 (1)	5616433	<0.05	0.05	5605909
Dissolved Molybdenum (Mo)	ug/L	0.76	5605909	0.75	5605909	<0.05	0.05	5605909
Dissolved Nickel (Ni)	ug/L	0.23	5605909	0.30 (1)	5616433	<0.02	0.02	5605909
Dissolved Selenium (Se)	ug/L	0.45	5605909	0.40	5605909	<0.04	0.04	5605909
Dissolved Silicon (Si)	ug/L	6210	5605909	6510	5605909	<100	100	5605909
Dissolved Silver (Ag)	ug/L	<0.005	5605909	0.020	5605909	<0.005	0.005	5605909
Dissolved Strontium (Sr)	ug/L	169	5605909	155	5605909	0.07	0.05	5605909
Dissolved Thallium (Tl)	ug/L	<0.002	5605909	<0.002	5605909	<0.002	0.002	5605909
Dissolved Tin (Sn)	ug/L	<0.2	5605909	<0.2	5605909	<0.2	0.2	5605909
Dissolved Titanium (Ti)	ug/L	<0.5	5605909	<0.5	5605909	<0.5	0.5	5605909
Dissolved Uranium (U)	ug/L	2.29	5605909	2.03	5605909	<0.002	0.002	5605909
Dissolved Vanadium (V)	ug/L	<0.2	5605909	<0.2	5605909	<0.2	0.2	5605909
Dissolved Zinc (Zn)	ug/L	1.3	5605909	8.1 (1)	5616433	0.3	0.1	5605909
Dissolved Zirconium (Zr)	ug/L	<0.1	5605909	<0.1	5605909	<0.1	0.1	5605909
Dissolved Calcium (Ca)	mg/L	42.4	5597587	40.4	5611762	<0.05	0.05	5597587
Dissolved Magnesium (Mg)	mg/L	8.82	5597587	7.06	5611762	<0.05	0.05	5597587

RDL = Reportable Detection Limit
 (1) Dissolved greater than total. Reanalysis yields similar results

Maxxam Job #: B212921
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DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBURARY 14, 2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: NG

LOW LEVEL DISSOLVED METALS IN WATER (SURFACE)

Maxxam ID		CS7642		CS7643		CS7644		
Sampling Date		2012/02/14 10:40		2012/02/14 10:58		2012/02/14 11:03		
COC Number		08345008		08345008		08345008		
	Units	R9	QC Batch	R8	QC Batch	BLANK 1	RDL	QC Batch

Dissolved Potassium (K)	mg/L	1.10	5597587	1.19 (1)	5611762	<0.05	0.05	5597587
Dissolved Sodium (Na)	mg/L	3.11	5597587	3.07	5611762	<0.05	0.05	5597587
Dissolved Sulphur (S)	mg/L	<10	5597587	<10	5611762	<10	10	5597587

RDL = Reportable Detection Limit
 (1) Dissolved greater than total. Reanalysis yields similar results

Maxxam Job #: B212921
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 DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBURARY 14, 2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: NG

LOW LEVEL DISSOLVED METALS IN WATER (SURFACE)

Maxxam ID		CS7645		CS7646		
Sampling Date		2012/02/14 15:05		2012/02/14 16:00		
COC Number		08345008		08345008		
	Units	R7	QC Batch	FARO CR	RDL	QC Batch

Misc. Inorganics						
Dissolved Hardness (CaCO ₃)	mg/L	136	5599200	46.3	0.5	5599200
Dissolved Metals by ICPMS						
Dissolved Aluminum (Al)	ug/L	6.3	5605909	10.4	0.2	5605909
Dissolved Antimony (Sb)	ug/L	0.06	5605909	0.07	0.02	5605909
Dissolved Arsenic (As)	ug/L	0.37	5605909	0.42	0.02	5605909
Dissolved Barium (Ba)	ug/L	68.5	5605909	27.2	0.02	5605909
Dissolved Beryllium (Be)	ug/L	<0.01	5605909	<0.01	0.01	5605909
Dissolved Bismuth (Bi)	ug/L	<0.005	5605909	<0.005	0.005	5605909
Dissolved Boron (B)	ug/L	<50	5605909	<50	50	5605909
Dissolved Cadmium (Cd)	ug/L	0.013	5605909	0.031	0.005	5605909
Dissolved Chromium (Cr)	ug/L	<0.1	5605909	<0.1	0.1	5605909
Dissolved Cobalt (Co)	ug/L	0.020	5605909	0.017	0.005	5605909
Dissolved Copper (Cu)	ug/L	0.30	5605909	0.58	0.05	5605909
Dissolved Iron (Fe)	ug/L	30	5605909	4	1	5605909
Dissolved Lead (Pb)	ug/L	0.165 (1)	5616433	0.303	0.005	5605909
Dissolved Lithium (Li)	ug/L	6.8	5605909	3.6	0.5	5605909
Dissolved Manganese (Mn)	ug/L	15.5 (1)	5616433	1.46 (1)	0.05	5616433
Dissolved Molybdenum (Mo)	ug/L	0.77	5605909	0.95	0.05	5605909
Dissolved Nickel (Ni)	ug/L	0.18	5605909	1.05	0.02	5605909
Dissolved Selenium (Se)	ug/L	0.41	5605909	0.70	0.04	5605909
Dissolved Silicon (Si)	ug/L	6440	5605909	7500	100	5605909
Dissolved Silver (Ag)	ug/L	<0.005	5605909	<0.005	0.005	5605909
Dissolved Strontium (Sr)	ug/L	159	5605909	59.6	0.05	5605909
Dissolved Thallium (Tl)	ug/L	<0.002	5605909	0.005	0.002	5605909
Dissolved Tin (Sn)	ug/L	<0.2	5605909	<0.2	0.2	5605909
Dissolved Titanium (Ti)	ug/L	<0.5	5605909	<0.5	0.5	5605909
Dissolved Uranium (U)	ug/L	2.05	5605909	0.957	0.002	5605909
Dissolved Vanadium (V)	ug/L	<0.2	5605909	<0.2	0.2	5605909
Dissolved Zinc (Zn)	ug/L	3.5 (1)	5616433	4.8	0.1	5605909
Dissolved Zirconium (Zr)	ug/L	<0.1	5605909	<0.1	0.1	5605909
Dissolved Calcium (Ca)	mg/L	42.1	5597587	13.3	0.05	5597587
Dissolved Magnesium (Mg)	mg/L	7.64	5597587	3.19	0.05	5597587

RDL = Reportable Detection Limit
 (1) Dissolved greater than total. Reanalysis yields similar results

Maxxam Job #: B212921
 Report Date: 2012/02/23

DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBURARY 14, 2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: NG

LOW LEVEL DISSOLVED METALS IN WATER (SURFACE)

Maxxam ID		CS7645		CS7646		
Sampling Date		2012/02/14 15:05		2012/02/14 16:00		
COC Number		08345008		08345008		
	Units	R7	QC Batch	FAROCR	RDL	QC Batch

Dissolved Potassium (K)	mg/L	1.01	5597587	0.47	0.05	5597587
Dissolved Sodium (Na)	mg/L	2.99	5597587	2.49	0.05	5597587
Dissolved Sulphur (S)	mg/L	<10	5597587	<10	10	5597587

RDL = Reportable Detection Limit

Maxxam Job #: B212921
 Report Date: 2012/02/23

 DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBURARY 14, 2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: NG

LOW LEVEL TOTAL METALS IN WATER (SURFACE)

Maxxam ID		CS7639	CS7640	CS7641	CS7642	CS7643		
Sampling Date		2012/02/13 16:00	2012/02/13 16:10	2012/02/14 10:25	2012/02/14 10:40	2012/02/14 10:58		
COC Number		08345008	08345008	08345008	08345008	08345008		
	Units	NF2	NFRC SC-1	R10	R9	R8	RDL	QC Batch

Calculated Parameters								
Total Hardness (CaCO3)	mg/L	145	147	142	144	123	0.50	5599199
Total Metals by ICPMS								
Total Aluminum (Al)	ug/L	8.2	10.4	7.8	9.0	6.3	0.2	5605996
Total Antimony (Sb)	ug/L	0.06	0.06	0.06	0.05	0.05	0.02	5605996
Total Arsenic (As)	ug/L	0.47	0.54	0.51	0.53	0.50	0.02	5605996
Total Barium (Ba)	ug/L	70.2	70.1	68.4	67.8	68.7	0.02	5605996
Total Beryllium (Be)	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	5605996
Total Bismuth (Bi)	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	5605996
Total Boron (B)	ug/L	<50	<50	<50	<50	<50	50	5605996
Total Cadmium (Cd)	ug/L	0.019	0.019	0.018	0.012	<0.005	0.005	5605996
Total Chromium (Cr)	ug/L	<0.1	<0.1	<0.1	0.2	<0.1	0.1	5605996
Total Cobalt (Co)	ug/L	0.106	0.115	0.033	0.019	0.016	0.005	5605996
Total Copper (Cu)	ug/L	0.25	0.40	0.36	0.42	0.25	0.05	5605996
Total Iron (Fe)	ug/L	132	140	108	109	111	1	5605996
Total Lead (Pb)	ug/L	0.291	0.314	0.093	0.081	0.029	0.005	5605996
Total Lithium (Li)	ug/L	7.2	7.0	7.0	6.8	6.6	0.5	5605996
Total Manganese (Mn)	ug/L	31.7	33.5	15.9	14.2	13.2	0.05	5605996
Total Molybdenum (Mo)	ug/L	0.76	0.78	0.79	0.77	0.76	0.05	5605996
Total Nickel (Ni)	ug/L	0.37	0.46	0.34	0.36	0.22	0.02	5605996
Total Selenium (Se)	ug/L	0.45	0.46	0.43	0.45	0.40	0.04	5605996
Total Silicon (Si)	ug/L	6410	6370	6280	6440	5930	100	5605996
Total Silver (Ag)	ug/L	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	5605996
Total Strontium (Sr)	ug/L	176	176	170	168	157	0.05	5605996
Total Thallium (Tl)	ug/L	0.002	0.002	<0.002	<0.002	<0.002	0.002	5605996
Total Tin (Sn)	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	5605996
Total Titanium (Ti)	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	5605996
Total Uranium (U)	ug/L	2.28	2.33	2.28	2.27	2.09	0.002	5605996
Total Vanadium (V)	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	5605996
Total Zinc (Zn)	ug/L	13.4	15.2	8.8	2.0	0.8	0.1	5605996
Total Zirconium (Zr)	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	5605996
Total Calcium (Ca)	mg/L	43.6	44.0	42.6	43.3	37.1	0.05	5597589
Total Magnesium (Mg)	mg/L	8.72	8.90	8.57	8.70	7.24	0.05	5597589

RDL = Reportable Detection Limit

Maxxam Job #: B212921
 Report Date: 2012/02/23

DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBURARY 14, 2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: NG

LOW LEVEL TOTAL METALS IN WATER (SURFACE)

Maxxam ID		CS7639	CS7640	CS7641	CS7642	CS7643		
Sampling Date		2012/02/13 16:00	2012/02/13 16:10	2012/02/14 10:25	2012/02/14 10:40	2012/02/14 10:58		
COC Number		08345008	08345008	08345008	08345008	08345008		
	Units	NF2	NFRC SC-1	R10	R9	R8	RDL	QC Batch

Total Potassium (K)	mg/L	1.08	1.12	1.06	1.06	0.96	0.05	5597589
Total Sodium (Na)	mg/L	3.08	3.16	3.01	3.08	2.93	0.05	5597589
Total Sulphur (S)	mg/L	<10	<10	<10	<10	<10	10	5597589

RDL = Reportable Detection Limit

Maxxam Job #: B212921
 Report Date: 2012/02/23

 DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBURARY 14, 2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: NG

LOW LEVEL TOTAL METALS IN WATER (SURFACE)

Maxxam ID		CS7644		CS7645	CS7646		
Sampling Date		2012/02/14 11:03		2012/02/14 15:05	2012/02/14 16:00		
COC Number		08345008		08345008	08345008		
	Units	BLANK 1	QC Batch	R7	FARO CR	RDL	QC Batch

Calculated Parameters							
Total Hardness (CaCO3)	mg/L	<0.50	5599199	131	45.2	0.50	5599199
Total Metals by ICPMS							
Total Aluminum (Al)	ug/L	0.5	5607498	6.0	17.4	0.2	5605996
Total Antimony (Sb)	ug/L	<0.02	5605996	0.05	0.07	0.02	5605996
Total Arsenic (As)	ug/L	<0.02	5605996	0.53	0.43	0.02	5605996
Total Barium (Ba)	ug/L	0.03	5605996	69.9	27.1	0.02	5605996
Total Beryllium (Be)	ug/L	<0.01	5605996	<0.01	<0.01	0.01	5605996
Total Bismuth (Bi)	ug/L	<0.005	5605996	<0.005	<0.005	0.005	5605996
Total Boron (B)	ug/L	<50	5605996	<50	<50	50	5605996
Total Cadmium (Cd)	ug/L	0.007	5605996	0.008	0.028	0.005	5605996
Total Chromium (Cr)	ug/L	<0.1	5605996	<0.1	<0.1	0.1	5605996
Total Cobalt (Co)	ug/L	<0.005	5605996	0.018	0.017	0.005	5605996
Total Copper (Cu)	ug/L	0.06	5607498	0.36	0.85	0.05	5605996
Total Iron (Fe)	ug/L	<1	5605996	116	12	1	5605996
Total Lead (Pb)	ug/L	0.020	5607498	0.082	0.529	0.005	5605996
Total Lithium (Li)	ug/L	<0.5	5605996	6.9	3.6	0.5	5605996
Total Manganese (Mn)	ug/L	<0.05	5605996	11.3	0.22	0.05	5605996
Total Molybdenum (Mo)	ug/L	<0.05	5605996	0.77	0.94	0.05	5605996
Total Nickel (Ni)	ug/L	<0.02	5605996	0.21	1.01	0.02	5605996
Total Selenium (Se)	ug/L	<0.04	5605996	0.41	0.69	0.04	5605996
Total Silicon (Si)	ug/L	<100	5605996	6200	7460	100	5605996
Total Silver (Ag)	ug/L	<0.005	5605996	<0.005	<0.005	0.005	5605996
Total Strontium (Sr)	ug/L	0.05	5605996	163	59.1	0.05	5605996
Total Thallium (Tl)	ug/L	<0.002	5605996	<0.002	0.005	0.002	5605996
Total Tin (Sn)	ug/L	<0.2	5605996	<0.2	<0.2	0.2	5605996
Total Titanium (Ti)	ug/L	<0.5	5605996	<0.5	<0.5	0.5	5605996
Total Uranium (U)	ug/L	0.003	5605996	2.09	0.960	0.002	5605996
Total Vanadium (V)	ug/L	<0.2	5605996	<0.2	<0.2	0.2	5605996
Total Zinc (Zn)	ug/L	0.4	5607498	1.3	4.0	0.1	5605996
Total Zirconium (Zr)	ug/L	<0.1	5605996	<0.1	<0.1	0.1	5605996
Total Calcium (Ca)	mg/L	<0.05	5597589	40.2	13.0	0.05	5597589
Total Magnesium (Mg)	mg/L	<0.05	5597589	7.46	3.11	0.05	5597589

RDL = Reportable Detection Limit

Maxxam Job #: B212921
 Report Date: 2012/02/23

DENISON ENVIRONMENTAL SERVICES
 Client Project #: FEBURARY 14, 2012
 Site Location: FARO MINE COMPLEX
 Sampler Initials: NG

LOW LEVEL TOTAL METALS IN WATER (SURFACE)

Maxxam ID		CS7644		CS7645	CS7646		
Sampling Date		2012/02/14 11:03		2012/02/14 15:05	2012/02/14 16:00		
COC Number		08345008		08345008	08345008		
	Units	BLANK 1	QC Batch	R7	FARO CR	RDL	QC Batch

Total Potassium (K)	mg/L	<0.05	5597589	0.99	0.45	0.05	5597589
Total Sodium (Na)	mg/L	<0.05	5597589	2.96	2.43	0.05	5597589
Total Sulphur (S)	mg/L	<10	5597589	<10	<10	10	5597589

RDL = Reportable Detection Limit

Maxxam Job #: B212921
Report Date: 2012/02/23

DENISON ENVIRONMENTAL SERVICES
Client Project #: FEBURARY 14, 2012
Site Location: FARO MINE COMPLEX
Sampler Initials: NG

General Comments

Sample CS7643-01: Ion Balance: NC = Not Calculable due to low ion sum [< 3 meq/L].

Sample CS7644-01: Ion Balance: NC = Not Calculable due to low ion sum [< 3 meq/L].

Sample CS7645-01: Ion Balance: NC = Not Calculable due to low ion sum [< 3 meq/L].

Sample CS7646-01: Ion Balance: NC = Not Calculable due to low ion sum [< 3 meq/L].

Sample CS7639, Elements by ICPMS Low Level (dissolved): Test repeated.

Sample CS7640, Elements by ICPMS Low Level (dissolved): Test repeated.

Sample CS7641, Elements by ICPMS Low Level (dissolved): Test repeated.

Sample CS7643, Elements by ICPMS Low Level (dissolved): Test repeated.

Sample CS7644, Elements by ICPMS Low Level (dissolved): Test repeated.

Sample CS7645, Elements by ICPMS Low Level (dissolved): Test repeated.

Sample CS7646, Elements by ICPMS Low Level (dissolved): Test repeated.

Sample CS7644, Elements by ICPMS Low Level (total): Test repeated.

Results relate only to the items tested.

DENISON ENVIRONMENTAL SERVICES
 Attention: Kevin Ramsay
 Client Project #: FEBURARY 14, 2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report

Maxxam Job Number: VB212921

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
5601974 TL2	Matrix Spike	Nitrite (N)	2012/02/16		101	%	80 - 120
	Spiked Blank	Nitrite (N)	2012/02/16		103	%	80 - 120
	Method Blank	Nitrite (N)	2012/02/16	<0.005		mg/L	
	RPD	Nitrite (N)	2012/02/16	NC		%	20
5603365 MM3	Matrix Spike	Alkalinity (Total as CaCO3)	2012/02/16		NC	%	80 - 120
	Spiked Blank	Alkalinity (Total as CaCO3)	2012/02/16		97	%	80 - 120
	Method Blank	Alkalinity (Total as CaCO3)	2012/02/16	<0.50		mg/L	
		Alkalinity (PP as CaCO3)	2012/02/16	<0.50		mg/L	
		Bicarbonate (HCO3)	2012/02/16	<0.50		mg/L	
		Carbonate (CO3)	2012/02/16	<0.50		mg/L	
		Hydroxide (OH)	2012/02/16	<0.50		mg/L	
5603402 MM3	RPD	Alkalinity (Total as CaCO3)	2012/02/16	4.5		%	20
	Spiked Blank	Conductivity	2012/02/16		97	%	80 - 120
	Method Blank	Conductivity	2012/02/16	<1.0		uS/cm	
5604652 BB3	RPD	Conductivity	2012/02/16	0.09		%	20
	Matrix Spike [CS7645-02]	Dissolved Chloride (Cl)	2012/02/16		102	%	80 - 120
5604653 BB3	Spiked Blank	Dissolved Chloride (Cl)	2012/02/16		100	%	80 - 120
	Method Blank	Dissolved Chloride (Cl)	2012/02/16	<0.5		mg/L	
	RPD [CS7641-02]	Dissolved Chloride (Cl)	2012/02/16	NC		%	20
	RPD [CS7645-02]	Dissolved Chloride (Cl)	2012/02/16	NC		%	20
	Matrix Spike [CS7645-02]	Dissolved Sulphate (SO4)	2012/02/16		120	%	80 - 120
5605909 AA1	Spiked Blank	Dissolved Sulphate (SO4)	2012/02/16	<0.50		mg/L	
	Method Blank	Dissolved Sulphate (SO4)	2012/02/16	1.1		%	20
	RPD [CS7641-02]	Dissolved Sulphate (SO4)	2012/02/16	0.5		%	20
	RPD [CS7645-02]	Dissolved Sulphate (SO4)	2012/02/16				
	Matrix Spike [CS7644-04]	Dissolved Aluminum (Al)	2012/02/17		110	%	80 - 120
		Dissolved Antimony (Sb)	2012/02/17		111	%	80 - 120
	Dissolved Arsenic (As)	2012/02/17		104	%	80 - 120	
	Dissolved Barium (Ba)	2012/02/17		105	%	80 - 120	
	Dissolved Beryllium (Be)	2012/02/17		103	%	80 - 120	
	Dissolved Bismuth (Bi)	2012/02/17		103	%	80 - 120	
	Dissolved Cadmium (Cd)	2012/02/17		105	%	80 - 120	
	Dissolved Chromium (Cr)	2012/02/17		97	%	80 - 120	
	Dissolved Cobalt (Co)	2012/02/17		97	%	80 - 120	
	Dissolved Copper (Cu)	2012/02/17		95	%	80 - 120	
	Dissolved Iron (Fe)	2012/02/17		110	%	80 - 120	
	Dissolved Lead (Pb)	2012/02/17		103	%	80 - 120	
	Dissolved Lithium (Li)	2012/02/17		101	%	80 - 120	
	Dissolved Manganese (Mn)	2012/02/17		104	%	80 - 120	
	Dissolved Molybdenum (Mo)	2012/02/17		105	%	80 - 120	
	Dissolved Nickel (Ni)	2012/02/17		97	%	80 - 120	
	Dissolved Selenium (Se)	2012/02/17		114	%	80 - 120	
	Dissolved Silver (Ag)	2012/02/17		110	%	80 - 120	
	Dissolved Strontium (Sr)	2012/02/17		104	%	80 - 120	
	Dissolved Thallium (Tl)	2012/02/17		102	%	80 - 120	
	Dissolved Tin (Sn)	2012/02/17		102	%	80 - 120	
	Dissolved Titanium (Ti)	2012/02/17		107	%	80 - 120	
	Dissolved Uranium (U)	2012/02/17		98	%	80 - 120	
	Dissolved Vanadium (V)	2012/02/17		98	%	80 - 120	
	Dissolved Zinc (Zn)	2012/02/17		107	%	80 - 120	
	Spiked Blank	Dissolved Aluminum (Al)	2012/02/17		107	%	80 - 120
		Dissolved Antimony (Sb)	2012/02/17		104	%	80 - 120

DENISON ENVIRONMENTAL SERVICES
 Attention: Kevin Ramsay
 Client Project #: FEBURARY 14, 2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB212921

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
5605909 AA1	Spiked Blank	Dissolved Arsenic (As)	2012/02/17		98	%	80 - 120
		Dissolved Barium (Ba)	2012/02/17		104	%	80 - 120
		Dissolved Beryllium (Be)	2012/02/17		98	%	80 - 120
		Dissolved Bismuth (Bi)	2012/02/17		100	%	80 - 120
		Dissolved Cadmium (Cd)	2012/02/17		99	%	80 - 120
		Dissolved Chromium (Cr)	2012/02/17		94	%	80 - 120
		Dissolved Cobalt (Co)	2012/02/17		95	%	80 - 120
		Dissolved Copper (Cu)	2012/02/17		95	%	80 - 120
		Dissolved Iron (Fe)	2012/02/17		130 (1)	%	80 - 120
		Dissolved Lead (Pb)	2012/02/17		103	%	80 - 120
		Dissolved Lithium (Li)	2012/02/17		98	%	80 - 120
		Dissolved Manganese (Mn)	2012/02/17		104	%	80 - 120
		Dissolved Molybdenum (Mo)	2012/02/17		105	%	80 - 120
		Dissolved Nickel (Ni)	2012/02/17		96	%	80 - 120
		Dissolved Selenium (Se)	2012/02/17		106	%	80 - 120
		Dissolved Silver (Ag)	2012/02/17		105	%	80 - 120
		Dissolved Strontium (Sr)	2012/02/17		105	%	80 - 120
		Dissolved Thallium (Tl)	2012/02/17		105	%	80 - 120
		Dissolved Tin (Sn)	2012/02/17		102	%	80 - 120
		Dissolved Titanium (Ti)	2012/02/17		102	%	80 - 120
Dissolved Uranium (U)	2012/02/17		100	%	80 - 120		
Dissolved Vanadium (V)	2012/02/17		95	%	80 - 120		
Dissolved Zinc (Zn)	2012/02/17		98	%	80 - 120		
Method Blank		Dissolved Aluminum (Al)	2012/02/17	<0.2		ug/L	
		Dissolved Antimony (Sb)	2012/02/17	<0.02		ug/L	
		Dissolved Arsenic (As)	2012/02/17	<0.02		ug/L	
		Dissolved Barium (Ba)	2012/02/17	<0.02		ug/L	
		Dissolved Beryllium (Be)	2012/02/17	<0.01		ug/L	
		Dissolved Bismuth (Bi)	2012/02/17	<0.005		ug/L	
		Dissolved Boron (B)	2012/02/17	<50		ug/L	
		Dissolved Cadmium (Cd)	2012/02/17	<0.005		ug/L	
		Dissolved Chromium (Cr)	2012/02/17	<0.1		ug/L	
		Dissolved Cobalt (Co)	2012/02/17	<0.005		ug/L	
		Dissolved Copper (Cu)	2012/02/17	<0.05		ug/L	
		Dissolved Iron (Fe)	2012/02/17	<1		ug/L	
		Dissolved Lead (Pb)	2012/02/17	<0.005		ug/L	
		Dissolved Lithium (Li)	2012/02/17	<0.5		ug/L	
		Dissolved Manganese (Mn)	2012/02/17	<0.05		ug/L	
		Dissolved Molybdenum (Mo)	2012/02/17	<0.05		ug/L	
		Dissolved Nickel (Ni)	2012/02/17	<0.02		ug/L	
		Dissolved Selenium (Se)	2012/02/17	<0.04		ug/L	
		Dissolved Silicon (Si)	2012/02/17	<100		ug/L	
		Dissolved Silver (Ag)	2012/02/17	<0.005		ug/L	
Dissolved Strontium (Sr)	2012/02/17	<0.05		ug/L			
Dissolved Thallium (Tl)	2012/02/17	<0.002		ug/L			
Dissolved Tin (Sn)	2012/02/17	<0.2		ug/L			
Dissolved Titanium (Ti)	2012/02/17	<0.5		ug/L			
Dissolved Uranium (U)	2012/02/17	<0.002		ug/L			
Dissolved Vanadium (V)	2012/02/17	<0.2		ug/L			
Dissolved Zinc (Zn)	2012/02/17	0.1, RDL=0.1		ug/L			
Dissolved Zirconium (Zr)	2012/02/17	<0.1		ug/L			
RPD [CS7644-04]		Dissolved Antimony (Sb)	2012/02/17	NC		%	20
		Dissolved Arsenic (As)	2012/02/17	NC		%	20
		Dissolved Barium (Ba)	2012/02/17	NC		%	20
		Dissolved Beryllium (Be)	2012/02/17	NC		%	20

DENISON ENVIRONMENTAL SERVICES
 Attention: Kevin Ramsay
 Client Project #: FEBURARY 14, 2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB212921

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits	
5605909 AA1	RPD [CS7644-04]	Dissolved Bismuth (Bi)	2012/02/17	NC		%	20	
		Dissolved Boron (B)	2012/02/17	NC		%	20	
		Dissolved Cadmium (Cd)	2012/02/17	NC		%	20	
		Dissolved Chromium (Cr)	2012/02/17	NC		%	20	
		Dissolved Cobalt (Co)	2012/02/17	NC		%	20	
		Dissolved Copper (Cu)	2012/02/17	NC		%	20	
		Dissolved Iron (Fe)	2012/02/17	NC		%	20	
		Dissolved Lead (Pb)	2012/02/17	NC		%	20	
		Dissolved Lithium (Li)	2012/02/17	NC		%	20	
		Dissolved Manganese (Mn)	2012/02/17	NC		%	20	
		Dissolved Molybdenum (Mo)	2012/02/17	NC		%	20	
		Dissolved Nickel (Ni)	2012/02/17	NC		%	20	
		Dissolved Selenium (Se)	2012/02/17	NC		%	20	
		Dissolved Silicon (Si)	2012/02/17	NC		%	20	
		Dissolved Silver (Ag)	2012/02/17	NC		%	20	
		Dissolved Strontium (Sr)	2012/02/17	NC		%	20	
		Dissolved Thallium (Tl)	2012/02/17	NC		%	20	
		Dissolved Tin (Sn)	2012/02/17	NC		%	20	
		Dissolved Titanium (Ti)	2012/02/17	NC		%	20	
		Dissolved Uranium (U)	2012/02/17	NC		%	20	
Dissolved Vanadium (V)	2012/02/17	NC		%	20			
Dissolved Zinc (Zn)	2012/02/17	NC		%	20			
Dissolved Zirconium (Zr)	2012/02/17	NC		%	20			
5605996 AA1	Matrix Spike [CS7644-03]	Total Aluminum (Al)	2012/02/17		107	%	80 - 120	
		Total Antimony (Sb)	2012/02/17		109	%	80 - 120	
		Total Arsenic (As)	2012/02/17		100	%	80 - 120	
		Total Barium (Ba)	2012/02/17		104	%	80 - 120	
		Total Beryllium (Be)	2012/02/17		98	%	80 - 120	
		Total Bismuth (Bi)	2012/02/17		104	%	80 - 120	
		Total Cadmium (Cd)	2012/02/17		104	%	80 - 120	
		Total Chromium (Cr)	2012/02/17		96	%	80 - 120	
		Total Cobalt (Co)	2012/02/17		95	%	80 - 120	
		Total Copper (Cu)	2012/02/17		93	%	80 - 120	
		Total Iron (Fe)	2012/02/17		111	%	80 - 120	
		Total Lead (Pb)	2012/02/17		103	%	80 - 120	
		Total Lithium (Li)	2012/02/17		98	%	80 - 120	
		Total Manganese (Mn)	2012/02/17		104	%	80 - 120	
		Total Molybdenum (Mo)	2012/02/17		101	%	80 - 120	
		Total Nickel (Ni)	2012/02/17		93	%	80 - 120	
		Total Selenium (Se)	2012/02/17		114	%	80 - 120	
		Total Silver (Ag)	2012/02/17		110	%	80 - 120	
		Total Strontium (Sr)	2012/02/17		108	%	80 - 120	
		Total Thallium (Tl)	2012/02/17		101	%	80 - 120	
		Total Tin (Sn)	2012/02/17		103	%	80 - 120	
		Total Titanium (Ti)	2012/02/17		98	%	80 - 120	
		Total Uranium (U)	2012/02/17		102	%	80 - 120	
		Total Vanadium (V)	2012/02/17		96	%	80 - 120	
		Total Zinc (Zn)	2012/02/17		96	%	80 - 120	
		Spiked Blank	Total Aluminum (Al)	2012/02/17		108	%	80 - 120
			Total Antimony (Sb)	2012/02/17		106	%	80 - 120
			Total Arsenic (As)	2012/02/17		97	%	80 - 120
			Total Barium (Ba)	2012/02/17		104	%	80 - 120
			Total Beryllium (Be)	2012/02/17		94	%	80 - 120
		Total Bismuth (Bi)	2012/02/17		101	%	80 - 120	

DENISON ENVIRONMENTAL SERVICES
 Attention: Kevin Ramsay
 Client Project #: FEBURARY 14, 2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB212921

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
5605996 AA1	Spiked Blank	Total Cadmium (Cd)	2012/02/17		99	%	80 - 120
		Total Chromium (Cr)	2012/02/17		96	%	80 - 120
		Total Cobalt (Co)	2012/02/17		94	%	80 - 120
		Total Copper (Cu)	2012/02/17		94	%	80 - 120
		Total Iron (Fe)	2012/02/17		108	%	80 - 120
		Total Lead (Pb)	2012/02/17		100	%	80 - 120
		Total Lithium (Li)	2012/02/17		97	%	80 - 120
		Total Manganese (Mn)	2012/02/17		103	%	80 - 120
		Total Molybdenum (Mo)	2012/02/17		104	%	80 - 120
		Total Nickel (Ni)	2012/02/17		94	%	80 - 120
		Total Selenium (Se)	2012/02/17		104	%	80 - 120
		Total Silver (Ag)	2012/02/17		109	%	80 - 120
		Total Strontium (Sr)	2012/02/17		105	%	80 - 120
		Total Thallium (Tl)	2012/02/17		102	%	80 - 120
		Total Tin (Sn)	2012/02/17		102	%	80 - 120
		Total Titanium (Ti)	2012/02/17		99	%	80 - 120
		Total Uranium (U)	2012/02/17		99	%	80 - 120
		Total Vanadium (V)	2012/02/17		95	%	80 - 120
		Total Zinc (Zn)	2012/02/17		99	%	80 - 120
	Method Blank	Total Aluminum (Al)	2012/02/17	<0.2		ug/L	
		Total Antimony (Sb)	2012/02/17	<0.02		ug/L	
		Total Arsenic (As)	2012/02/17	<0.02		ug/L	
		Total Barium (Ba)	2012/02/17	<0.02		ug/L	
		Total Beryllium (Be)	2012/02/17	<0.01		ug/L	
		Total Bismuth (Bi)	2012/02/17	<0.005		ug/L	
		Total Boron (B)	2012/02/17	<50		ug/L	
		Total Cadmium (Cd)	2012/02/17	<0.005		ug/L	
		Total Chromium (Cr)	2012/02/17	<0.1		ug/L	
		Total Cobalt (Co)	2012/02/17	<0.005		ug/L	
		Total Copper (Cu)	2012/02/17	<0.05		ug/L	
		Total Iron (Fe)	2012/02/17	<1		ug/L	
		Total Lead (Pb)	2012/02/17	<0.005		ug/L	
		Total Lithium (Li)	2012/02/17	<0.5		ug/L	
		Total Manganese (Mn)	2012/02/17	<0.05		ug/L	
		Total Molybdenum (Mo)	2012/02/17	<0.05		ug/L	
		Total Nickel (Ni)	2012/02/17	<0.02		ug/L	
		Total Selenium (Se)	2012/02/17	<0.04		ug/L	
		Total Silicon (Si)	2012/02/17	<100		ug/L	
		Total Silver (Ag)	2012/02/17	<0.005		ug/L	
		Total Strontium (Sr)	2012/02/17	<0.05		ug/L	
		Total Thallium (Tl)	2012/02/17	<0.002		ug/L	
		Total Tin (Sn)	2012/02/17	<0.2		ug/L	
		Total Titanium (Ti)	2012/02/17	<0.5		ug/L	
		Total Uranium (U)	2012/02/17	<0.002		ug/L	
		Total Vanadium (V)	2012/02/17	<0.2		ug/L	
		Total Zinc (Zn)	2012/02/17	<0.1		ug/L	
		Total Zirconium (Zr)	2012/02/17	<0.1		ug/L	
	RPD [CS7644-03]	Total Antimony (Sb)	2012/02/17	NC		%	20
		Total Arsenic (As)	2012/02/17	NC		%	20
		Total Barium (Ba)	2012/02/17	NC		%	20
		Total Beryllium (Be)	2012/02/17	NC		%	20
		Total Bismuth (Bi)	2012/02/17	NC		%	20
		Total Boron (B)	2012/02/17	NC		%	20
		Total Cadmium (Cd)	2012/02/17	NC		%	20
		Total Chromium (Cr)	2012/02/17	NC		%	20

DENISON ENVIRONMENTAL SERVICES
 Attention: Kevin Ramsay
 Client Project #: FEBURARY 14, 2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB212921

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
5605996 AA1	RPD [CS7644-03]	Total Cobalt (Co)	2012/02/17	NC		%	20
		Total Iron (Fe)	2012/02/17	NC		%	20
		Total Lithium (Li)	2012/02/17	NC		%	20
		Total Manganese (Mn)	2012/02/17	NC		%	20
		Total Molybdenum (Mo)	2012/02/17	NC		%	20
		Total Nickel (Ni)	2012/02/17	NC		%	20
		Total Selenium (Se)	2012/02/17	NC		%	20
		Total Silicon (Si)	2012/02/17	NC		%	20
		Total Silver (Ag)	2012/02/17	NC		%	20
		Total Strontium (Sr)	2012/02/17	NC		%	20
		Total Thallium (Tl)	2012/02/17	NC		%	20
		Total Tin (Sn)	2012/02/17	NC		%	20
		Total Titanium (Ti)	2012/02/17	NC		%	20
		Total Uranium (U)	2012/02/17	NC		%	20
		Total Vanadium (V)	2012/02/17	NC		%	20
		Total Zirconium (Zr)	2012/02/17	NC		%	20
5607058 WAY	Matrix Spike	Alkalinity (Total as CaCO3)	2012/02/17		NC	%	80 - 120
	Spiked Blank	Alkalinity (Total as CaCO3)	2012/02/17		93	%	80 - 120
	Method Blank	Alkalinity (Total as CaCO3)	2012/02/17	<0.50		mg/L	
		Alkalinity (PP as CaCO3)	2012/02/17	<0.50		mg/L	
		Bicarbonate (HCO3)	2012/02/17	<0.50		mg/L	
		Carbonate (CO3)	2012/02/17	<0.50		mg/L	
		Hydroxide (OH)	2012/02/17	<0.50		mg/L	
	RPD [CS7646-02]	Alkalinity (Total as CaCO3)	2012/02/17	4.1		%	20
		Alkalinity (PP as CaCO3)	2012/02/17	NC		%	20
		Bicarbonate (HCO3)	2012/02/17	4.1		%	20
		Carbonate (CO3)	2012/02/17	NC		%	20
		Hydroxide (OH)	2012/02/17	NC		%	20
5607138 WAY	Spiked Blank	Conductivity	2012/02/17		97	%	80 - 120
	Method Blank	Conductivity	2012/02/17	<1.0		uS/cm	
	RPD [CS7646-02]	Conductivity	2012/02/17	0.5		%	20
5607171 CK	Matrix Spike	Ammonia (N)	2012/02/17		NC	%	80 - 120
	Spiked Blank	Ammonia (N)	2012/02/17		98	%	80 - 120
	Method Blank	Ammonia (N)	2012/02/17	<0.0050		mg/L	
	RPD	Ammonia (N)	2012/02/17	0.9		%	20
5607184 IC4	Matrix Spike	Total Organic Carbon (C)	2012/02/17		105	%	80 - 120
	Spiked Blank	Total Organic Carbon (C)	2012/02/17		102	%	80 - 120
	Method Blank	Total Organic Carbon (C)	2012/02/17	<0.50		mg/L	
	RPD	Total Organic Carbon (C)	2012/02/17	NC		%	20
5607498 AA1	Matrix Spike	Total Aluminum (Al)	2012/02/22		112	%	80 - 120
		Total Copper (Cu)	2012/02/22		101	%	80 - 120
		Total Lead (Pb)	2012/02/22		104	%	80 - 120
		Total Zinc (Zn)	2012/02/22		105	%	80 - 120
	Spiked Blank	Total Aluminum (Al)	2012/02/22		102	%	80 - 120
		Total Copper (Cu)	2012/02/22		97	%	80 - 120
		Total Lead (Pb)	2012/02/22		96	%	80 - 120
		Total Zinc (Zn)	2012/02/22		99	%	80 - 120
	Method Blank	Total Aluminum (Al)	2012/02/22	<0.2		ug/L	
		Total Copper (Cu)	2012/02/22	<0.05		ug/L	
		Total Lead (Pb)	2012/02/22	<0.005		ug/L	
		Total Zinc (Zn)	2012/02/22	<0.1		ug/L	
	RPD	Total Aluminum (Al)	2012/02/22	11.3		%	20
		Total Copper (Cu)	2012/02/22	3.3		%	20
		Total Lead (Pb)	2012/02/22	NC		%	20
		Total Zinc (Zn)	2012/02/22	1.3		%	20

DENISON ENVIRONMENTAL SERVICES
 Attention: Kevin Ramsay
 Client Project #: FEBURARY 14, 2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB212921

QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
5607555 TL2	Matrix Spike	Nitrate plus Nitrite (N)	2012/02/17		NC	%	80 - 120
	Spiked Blank	Nitrate plus Nitrite (N)	2012/02/17		107	%	80 - 120
	Method Blank	Nitrate plus Nitrite (N)	2012/02/17	<0.020		mg/L	
	RPD	Nitrate plus Nitrite (N)	2012/02/17	0.8 (2)		%	25
5607556 TL2	Matrix Spike	Nitrite (N)	2012/02/17		94	%	80 - 120
	Spiked Blank	Nitrite (N)	2012/02/17		98	%	80 - 120
	Method Blank	Nitrite (N)	2012/02/17	<0.005		mg/L	
	RPD	Nitrite (N)	2012/02/17	NC (2)		%	20
5608346 ZY1	Spiked Blank	Total Suspended Solids	2012/02/21		99	%	80 - 120
	Method Blank	Total Suspended Solids	2012/02/21	<1.0		mg/L	
5609185 IC4	Matrix Spike	Dissolved Organic Carbon (C)	2012/02/20		NC	%	80 - 120
	Spiked Blank	Dissolved Organic Carbon (C)	2012/02/20		109	%	80 - 120
	Method Blank	Dissolved Organic Carbon (C)	2012/02/20	<0.50		mg/L	
	RPD	Dissolved Organic Carbon (C)	2012/02/20	NC		%	20
5609224 ZY1	Matrix Spike	Total Dissolved Solids	2012/02/22		NC	%	80 - 120
	Spiked Blank	Total Dissolved Solids	2012/02/22		102	%	80 - 120
	Method Blank	Total Dissolved Solids	2012/02/22	<10		mg/L	
	RPD	Total Dissolved Solids	2012/02/22	3.8		%	20
5616395 IC4	Matrix Spike	Dissolved Organic Carbon (C)	2012/02/22		NC	%	80 - 120
	Spiked Blank	Dissolved Organic Carbon (C)	2012/02/22		110	%	80 - 120
	Method Blank	Dissolved Organic Carbon (C)	2012/02/22	<0.50		mg/L	
	RPD	Dissolved Organic Carbon (C)	2012/02/22	7.5		%	20
5616433 AA1	Spiked Blank	Dissolved Aluminum (Al)	2012/02/22		106	%	80 - 120
		Dissolved Cadmium (Cd)	2012/02/22		96	%	80 - 120
		Dissolved Cobalt (Co)	2012/02/22		98	%	80 - 120
		Dissolved Copper (Cu)	2012/02/22		99	%	80 - 120
		Dissolved Lead (Pb)	2012/02/22		97	%	80 - 120
		Dissolved Manganese (Mn)	2012/02/22		99	%	80 - 120
		Dissolved Molybdenum (Mo)	2012/02/22		96	%	80 - 120
		Dissolved Nickel (Ni)	2012/02/22		99	%	80 - 120
		Dissolved Silver (Ag)	2012/02/22		101	%	80 - 120
		Dissolved Zinc (Zn)	2012/02/22		101	%	80 - 120
	Method Blank	Dissolved Aluminum (Al)	2012/02/22	<0.2		ug/L	
		Dissolved Cadmium (Cd)	2012/02/22	<0.005		ug/L	
		Dissolved Cobalt (Co)	2012/02/22	<0.005		ug/L	
		Dissolved Copper (Cu)	2012/02/22	<0.05		ug/L	
		Dissolved Lead (Pb)	2012/02/22	<0.005		ug/L	
		Dissolved Manganese (Mn)	2012/02/22	<0.05		ug/L	
		Dissolved Molybdenum (Mo)	2012/02/22	<0.05		ug/L	
		Dissolved Nickel (Ni)	2012/02/22	<0.02		ug/L	
		Dissolved Silver (Ag)	2012/02/22	<0.005		ug/L	
		Dissolved Zinc (Zn)	2012/02/22	<0.1		ug/L	
5616435 IC4	Matrix Spike	Total Organic Carbon (C)	2012/02/22		NC	%	80 - 120
	Spiked Blank	Total Organic Carbon (C)	2012/02/22		109	%	80 - 120
	Method Blank	Total Organic Carbon (C)	2012/02/22	<0.50		mg/L	
	RPD	Total Organic Carbon (C)	2012/02/22	2.2 (3)		%	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was not sufficiently significant to permit a reliable recovery calculation.

NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.

DENISON ENVIRONMENTAL SERVICES
 Attention: Kevin Ramsay
 Client Project #: FEBURARY 14, 2012
 P.O. #:
 Site Location: FARO MINE COMPLEX

Quality Assurance Report (Continued)

Maxxam Job Number: VB212921

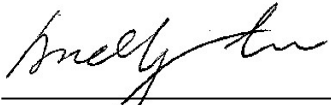
QA/QC Batch	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
(1)	Blank Spike outside acceptance criteria (10% of analytes failure allowed).						
(2)	Samples arrived to laboratory past recommended hold time.						
(3)	RDL raised due to sample matrix interference.						

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Validation Signature Page

Maxxam Job #: B212921

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



ANDY LU, Data Validation Coordinator

=====

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Job #: B212921

COC #: 1



Page: 1 of 1

Invoice To: Require Report? Yes No

Report To:

Company Name: #4337 Denison Environmental Services
 Contact Name: Kevin Ramsay
 Address: Box 280
 Faro, Yukon PC: Y0B 1K0
 Phone / Fax#: Ph: 857-994-2600 Fax:
 E-mail: kramsay@denisonenvironmental.com

Company Name: #4337 Denison Environmental Services
 Contact Name: Kevin Ramsay
 Address: Box 280
 Faro, Yukon PC: Y0B 1K0
 Phone / Fax#: Ph: 857-994-2600 Fax:
 E-mail: kramsay@denisonenvironmental.com

PO #:
Quotation #:
Project #:
Proj. Name: February 14, 2012
Location: Faro Mine Complex
Sampled by: N.Gardiner/B.Bekk

REGULATORY REQUIREMENTS: SERVICE REQUESTED:
 CSR Regular Turn Around Time (TAT)
 CCME (5 days for most tests)
 BC Water Quality RUSH (Please contact the lab)
 Other 1 Day 2 Day 3 Day
 DRINKING WATER Date Required: _____

SPECIAL INSTRUCTIONS:
 Return Cooler Ship Sample Bottles (please specify)

Sample Identification	Lab Identification	Sample Type	Date/Time(24hr) Sampled	ANALYSIS REQUESTED								Number of Containers													
				LDL - Dissolved Metals (DM)	LDL - Total Metals	CSR - Dissolved Metals (DM)	CSR - Total Metals	Dissolved Organic Carbon(DOC)	Dissolved Mercury	Acidity	Alkalinity		Chloride	pH	Conductance (EC)	Sulphate	Total Dissolved Solids (TDS)	Total Suspended Solids (TSS)	Ammonia	Nitrate	Hardness	LDL - Total Phosphorus	Colour	Total Organic Carbon (TOC)	Total Mercury
1 NF2	CS7637	Surface W	12/02/13 16:00	X	X			X			X	X	X	X	X	X	X	X	X		X				6
2 NFRC SC-1	CS7640	Surface W	12/02/13 16:10	X	X			X			X	X	X	X	X	X	X	X	X		X				6
3 R10	CS7641	Surface W	12/02/14 10:25	X	X			X			X	X	X	X	X	X	X	X	X		X				6
4 R9	CS7642	Surface W	12/02/14 10:40	X	X			X			X	X	X	X	X	X	X	X	X		X				6
5 R8	CS7643	Surface W	12/02/14 10:58	X	X			X			X	X	X	X	X	X	X	X	X		X				6
6 BLANK 1	CS7644	Surface W	12/02/14 11:03	X	X			X			X	X	X	X	X	X	X	X	X		X				6
7 R7	CS7645	Surface W	12/02/14 15:05	X	X			X			X	X	X	X	X	X	X	X	X		X				6
8 FAROCR	CS7646	Surface W	12/02/14 16:00	X	X			X			X	X	X	X	X	X	X	X	X		X				6
9																									
10																									
11																									
12																									

Print name and sign			Print name and sign			Laboratory Use Only						
*Relinquished By:	Date (yy/mm/dd):	Time (24hr):	Received by:	Date (yy/mm/dd):	Time (24 hr):	Time Sensitive	Temperature on Receipt (°C)			Custody Seal	Yes	No
K.Ramsay	12/02/14	18:00	A1 Delivery	12/02/14		<input checked="" type="checkbox"/>	A) 3	B) 3	C) 3	Present?	<input type="checkbox"/>	<input type="checkbox"/>
			Nahed Amer	12/02/15	13:45		Just sampled & rec'd on ice: <input type="checkbox"/>			Intact?	<input type="checkbox"/>	<input type="checkbox"/>

IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORDS. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

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